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Accepts a line of METAR data (weather information primarily used by pilots) and returns a translation in plain text.
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Returns a detailed weather report for any given city in the world. Simply enter a city name and instantly receive the city, state, country, and today
3. [Barcode Reader](#) Jul 24
Detect and decode barcodes from a fax or scanned document.
4. [ZIP Code Given City and State](#) Jul 21
This Web service instantly returns all ZIP codes for a given U.S. city and state code.
5. [Forecast by ZIP](#) Jul 21
Returns a detailed weather forecast for a given ZIP code. Simply enter a ZIP code and instantly receive the city, state, time, today's weather and the
6. [Geocode America Geocoding Web Service](#) Jun 20
Returns the latitude and longitude of any U.S. address. If the address cannot be located, the service will return the city+state center, or the zipcod
7. [XigniteRates](#) Jun 20
The XigniteRates Web Service provides access to current and historical interest rate information such as US Treasuries and LIBOR.
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3. [SMS Gateway](#)
Sharky SMS Gateway is a XML/SOAP web service which allows to send SMS messages to mobile phones. Supports bulk messaging.
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XML Web Services

There is no single definition or consensus on *XML web services*, here we present a brief introduction according to our understanding and experience:

An XML web service is an application component which performs a specific task, and is based on open standards and internet protocols. It receives requests in XML and returns responses in XML.

XML web services are also referred to as: Web services, SOAP services, WSDL services.

Web services are to software applications what web pages are to humans. In other words, whereas a web page will return data in HTML which is rendered by a browser for you to read and understand, a web service will return data in XML which may not make much sense to a human, but to another software application it makes perfect sense and it will be able to perform any tasks which it has been programmed to do with this XML data.

A web service can have one or more operations, these are sometimes referred to as methods, or webmethods.

Birth of Web Services

Web services are not a new technology, they are based on technology which has been around for many years (HTTP, EDI, RPC, XML, [SOAP](#)). In 2001, the major software vendors decided to work together and agreed on a standard for web services, which solidified the concepts and eased the implementation burden for web services.

The major benefits of web services is that applications can talk and work with each other without human interaction, and web services enforce platform independence.

Technologies

Most web services use a standard syntax for formatting XML messages called [SOAP](#), this is simply a wrapper and container for the actual XML data being transferred.

WSDL is the industry standard way to describe the operations and parameters which a web service supports, any web service can be invoked by examining it's WSDL file.

UDDI is an industry standard database structure and interface which is used to publish web services so that other developers can find these services and use them.

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Applications for Web Services

There are 4 main applications for web services:

- **Application-to-Application Integration**, also called EAI (Enterprise Application Integration)
E.g. A Stock Management System may automatically place an order with the Order Management System (within predefined rules), even if the systems are based on completely different platforms.
- **Business-to-Business Integration**
E.g. Company A's Unix-based systems automatically order stock from Company B's Windows-based systems when stock of a particular item is low, again within predefined boundaries set by both companies.
- **Information Distribution**
E.g. A company exposes its price-list or events schedule as a web service. Its partners, customers, and suppliers, or any interested party can be allowed to view, search, integrate, or aggregate this information for a multitude of purposes.
- **Application Functionality**
E.g. A standard encryption function can be exposed as a web service, so that any application, regardless of platform or hardware capabilities can use this function over the internet. Another example could be a fully working Timesheet application for anybody to use within their own applications, this could be free or on a rental basis, and the client could provide their own interface.

Stages of Evolution

It is generally accepted that web services technology will go through 3 stages on its road to maturity:

1. **Internal use and point-to-point integrations** - most companies will use web services internally, many of these will be test or pilot projects which link applications together. We are well into this stage right now.
2. **Cross-Enterprise** - web services will be used as middleware to integrate the supply chain, and connect back-office systems between trusted partners.
3. **Service-oriented architecture** - All applications allow dynamic web service discovery and integration for sharing of data and functionality. There are no technology or platform barriers between businesses or applications.

Further Reading

- [Web Services: Introduction](#) - PerfectXML
- [A Web Services Primer](#) - O'Reilly
- [Web Services Activity](#) - World Wide Web Consortium
- [MSDN Web Services Developer Center](#) - Microsoft
- [developerWorks Web Services](#) - IBM
- [Search Web Services](#) - TechTarget (Covers topics regarding web services such as; standards, development & deployment, platforms & servers, integration, service-oriented architecture, data center, strategy and planning.)

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UDDI v.3 coming soon (to a Web service near you) | The Register

UDDI was launched by Microsoft, IBM and Ariba Inc to describe and register businesses ... IT & Business Books, Software Downloads, Latest **Mobile** Gadgets ...

www.theregister.co.uk/2002/07/26/uddi_v_3_coming_soon/ - 29k - [Cached](#) - [Similar pages](#)

AskBlogger mobile edition

What the hell good is a **UDDI** server? I see it as roughly equivalent to a root DNS server (the world ... WordPress **Mobile** Edition available at alexking.org. ...

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Service-Oriented Architecture mobile edition

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blogs.zdnet.com/service-oriented/wp-mobile.php?p=32&more=1 - 5k -

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Tamino Discussion Forum : Tamino Native XML Store & XQuery

Tamino **UDDI** Registry · - Tamino Schema Tools · - Tamino X-Plorer ... Tamino PHP API, Related Software AG Products, -----, Tamino **Mobile**, Bolero ...

tamino.forums.softwareag.com/viewtopic.php?p=8144 - 99k - [Cached](#) - [Similar pages](#)

[PDF] Optimize JPEG2000 for mobile application over BREW

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RFID **UDDI** Service discovery. Park, Yun Jung. Wireless Internet for the **Mobile** Enterprise Consortium (WINMEC) <http://winmec.ucla.edu/> ...

www.winmec.ucla.edu/rfid/2005SummerIntern/RFIDUDDIService.pdf - [Similar pages](#)

BindingPoint XML Web Services Directory UDDI WSDL SOAP Resources ...

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title, Using a Private **Uddi** for Publishing Location-Based Information to **Mobile** Users.

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applications within the **mobile** portal will **query** the **UDDI** registry to discover local Web Services, and then use them to provide location-based information ...
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Using a Private **Uddi** for Publishing Location-Based Information to **Mobile** Users ... The main limitation is the inadequacy of the **query**-processing mechanism, ...
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OASIS approves UDDI upgrade | InfoWorld | News | 2005-02-03 | By ...

"**UDDI** continues to serve an important role in the deployment of SOAs", ... Turn your enterprise's **mobile** devices from scattered security risks into the ...
 www.infoworld.com/article/05/02/03/HNuddiapprove_1.html - 75k - [Cached](#) - [Similar pages](#)

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OASIS Blesses UDDI Directory Spec for Web Services, SOA

The OASIS standards group gives the nod to **UDDI** (universal description, discovery and ... and combining multi-step queries into a single, complex **query**. ...

www.eweek.com/article2/0,1759,1759934,00.asp - 84k - Jul 29, 2006 -

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L4	49	(mobile wireless adj device cell\$5) same uddi same web near service\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 13:25
L5	0	(mobile wireless adj device cell\$5) same uddi same web near service\$1 and profil\$3 near prior adj search	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 13:26
L6	2	(mobile wireless adj device cell\$5) same uddi same web near service\$1 and (prior adj search search near histor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 13:26
L7	2	(mobile wireless adj device cell\$5) same uddi and (prior adj search search near histor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 13:27
L8	2	(mobile wireless adj device cell\$5) same uddi and search near (profil\$3 histor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 13:28
L9	0	(mobile wireless adj device cell\$5) same uddi and search near (preference\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 13:28

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